

CLAIMS

1. (Currently Amended) A process to separate solids from a solids laden gaseous flow containing more than 100 mg/Nm³ solids, the process comprising:
 - (a) separating solids from the gaseous flow using a gas-solids separator resulting in a gaseous flow containing less than 50 mg/Nm³ solids and an underflow comprising the separated solids and part of the gaseous flow as fed to the gas-solids separator;
 - (b) separating part of the solids from the underflow in a cyclone wherein solids and a gaseous flow containing still some solids are obtained; and
 - (c) contacting the gaseous flow obtained in step (b) with water in the absence of a filter to separate the solids and obtain a gaseous flow containing between 0 and 50 mg/Nm³ solids; and
 - (d) combining the gaseous flows which are poor in solids as obtained in step (c) and as obtained in step (a).
2. (Original) The process according to claim 1, wherein the solids laden gaseous flow contains between 100 and 500 mg/Nm³.
3. (Original) The process according to claim 2, wherein the solids content in the gaseous flow as obtained in step (d) is between 10 and 50 mg/Nm³ solids.
4. (Original) The process according to claim 3, wherein the gas-solids separator is a multi-separator vessel comprising of a plurality of parallel operated cyclonic gas-solids separators.
5. (Original) The process according to claim 4, wherein the ratio of mass of water to mass of gas contacted in step (c) is between 1.5 and 2.0.

6. (Original) The process according to claim 5, wherein the solids content in the gas after contacting with water in step (c) is smaller than 50 mg/Nm³.
7. (Original) The process according to claim 6, wherein the solids content in the gas after contacting with water in step (c) is between 0 to 5 mg/Nm³.
8. (Original) The process according to claim 7, wherein the gas flow containing less than 50 mg/Nm³ solids as obtained in step (a) is fed to a gas expander turbine and wherein step (d) is performed downstream said gas expander turbine.
9. (Original) The process according to claim 8, wherein the solids as obtained in step (b) are continuously fed to a collecting vessel, from which vessel the solids are discharged non-continuously to the environment via a lock-hopper vessel.